

Amendment in response to
March 12, 2007 final Office action

Atty Dkt No.: 2003P06989US
Serial No.: 10/755,065

AMENDMENTS TO THE CLAIMS

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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method for handing over an active call between a first call device and a second call device comprising the steps of:

defining a set of target hand-over devices with a mobility server;

automatically detecting call hand-over threshold for said first call device, automatically initiating hand-overs responsive to detecting said threshold and monitoring said first call device for on-demand hand-over overrides, wherein at least one of said first call device and said set of target hand-over devices supports wireless local area network (WLAN) communications and said on-demand hand-over overrides include halting automatic hand-overs and forcing hand-overs;

selecting said second call device from the previously defined said set of target hand-over devices responsive to automatic detection of said call hand-over threshold, wherein selection of said second call device is manually selectable from said first device; and

establishing a connection to said second call device upon acceptance of said call by said second call device.

2. (original) The method of claim 1 wherein said first call device is a non-WLAN device.

3. (currently amended) The method of claim 1 wherein said first call device is a WLAN device connected to a first WLAN and before initiating a call hand-over to said second device, said method further comprises:

attempting a handoff of said first call device to a second WLAN; and whenever an attempted said handoff is successful,

returning to automatically detecting said call hand-over threshold.

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MAY 14 2007

Atty Dkt No.: 2003P06989US
Serial No.: 10/755,065

4. (currently amended) The method of claim 2 wherein said non-WLAN device is a cellular telephone and said method further comprises maintaining connection to hand-over calls after handing over.

5. (previously presented) The method of claim 4, wherein said non-WLAN cellular telephone device uses 3G air interface technology.

6. (previously presented) The method of claim 4, wherein said non-WLAN cellular telephone device uses TDMA air interface technology.

7. (previously presented) The method of claim 4, wherein said non-WLAN cellular telephone device uses GSM air interface technology.

8. (previously presented) The method of claim 4, wherein said non-WLAN cellular telephone device uses CDMA air interface technology.

9. (previously presented) The method of claim 4, wherein said non-WLAN cellular telephone device uses UMTS technology.

10. (original) The method of claim 2 wherein said non-WLAN device is an office wireline telephone.

11. (original) The method of claim 3 wherein said WLAN device is a Personal Digital Assistance (PDA).

12. (original) The method of claim 1 wherein said first call device supports both WLAN and non-WLAN communications.

13. (original) The method of claim 1 wherein said second call device supports both WLAN and non-WLAN communications.

Amendment in response to
March 12, 2007 final Office action

Atty Dkt No.: 2003P06989US
Serial No.: 10/755,065

14. (original) The method of claim 1 wherein said first call device and said second call device are the same.

15. (original) The method of claim 1 wherein said first call device and said second call device are integrated as a single call device.

16. (previously presented) The method of claim 1, wherein said method further comprises the step of dialing the telephone number of said second call device after selecting said second call device.

17. (original) The method of claim 1 further comprising the step of disconnecting said call from first call device after establishing said connection to said second call device.

18. (previously presented) The method of claim 1, wherein said hand-over threshold is reached when said call loses Internet Protocol connectivity.

19. (original) The method of claim 1 wherein said hand-over threshold is determined based on Radio Frequency signal strength of the active call.

20. (previously presented) The method of claim 1, wherein said hand-over is performed on-demand prior to reaching said hand-over threshold responsive to an on-demand hand-over override from said first call device.

21. (canceled).

22. (previously presented) The method of claim 20, wherein a user access code is used to perform said on-demand hand-over override.

23. (previously presented) The method of claim 20, wherein a user access code is used to select telephony features for transfer from said first call device to said second call device.

Amendment in response to
March 12, 2007 final Office action

Atty Dkt No.: 2003P06989US
Serial No.: 10/755,065

24. (original) The method of claim 1 wherein said call remains active after the hand-over is complete.

25. (original) The method of claim 1 wherein one or more hand-overs are performed per call.

26. (previously presented) The method of claim 1, wherein user associated personalized settings and telephony features are handed over with each said hand-over.

27. (previously presented) The method of claim 1, wherein said call hand-over threshold is determined based on available resources in network of said target device.

28. (original) The method of claim 1 wherein said call hand-over threshold is determined based on at least one of call priority or desired call Quality of Service of said call.

29. (currently amended) An apparatus for handing over an active call between a first call device and second call device, said apparatus comprising:

- a user interface for pre-selecting a set of target hand-over devices, at least one of said first call device and said set of target hand-over devices supporting wireless local area network (WLAN) communications;

- a detector circuit that detects hand-over threshold for said call;

- a selector indicator that automatically selects said second call device from said set of target hand-over devices and automatically initiates hand-overs to selected second call devices;

- an on-demand hand-over override selectively overriding said detector circuit responsive to manual input on said first device, said selector indicator further determining whether to halt an automatic hand-over or to select said second call device and hand-over responsive to said on-demand hand-over override; and

- a mobility server that providing said selection for pre-selection to said user interface and establishes a connection to said target device upon acceptance of said call by said target device.

30. (currently amended) The apparatus of claim 29 wherein said first call device is a non-WLAN device and said mobility server maintaining connection to hand-over calls after handing over.

Amendment in response to
March 12, 2007 final Office action

Atty Dkt No.: 2003P06989US
Serial No.: 10/755,065

31. (previously presented) The apparatus of claim 29 wherein said first call device is a WLAN device and said selector indicator selects when said WLAN device hands over to a non-WLAN device responsive to wireless local area network information and call priorities.

32. (previously presented) The apparatus of claim 29, wherein said user interface sets hand-over targets and preferences.

33. (previously presented) The apparatus of claim 32, wherein said user interface is provided via a dial up connection.

34. (previously presented) The apparatus of claim 32, wherein said user interface is provided via a personal computer.

35. (original) The apparatus of claim 29 further comprising a voice prompt generator for notifying other call party when said hand-over is in progress.

36. (original) The apparatus of claim 29 wherein said first call device and said second call device are the same.